

Converting Colors

XYZ(54.9820, 69.9096, 70.4958)

Have a look what the booklet for
XYZ(54.9820, 69.9096, 70.4958)
contains.

XYZ(54.9397, 69.8444, 70.2602)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(54.9397, 69.8444,
70.2602)**

Conversions

Conversions Part 1

Format	Color
Hex	A1E8D0
RGB	161, 232, 208
RGB Percent	63%, 91%, 82%
CMY	0.3686, 0.0902, 0.1843
CMYK	0.31, 0.00, 0.10, 0.09
HSL	160°, 61%, 77%
HSV	160°, 31%, 91%
XYZ	54.9397, 69.8444, 70.2602
YIQ	208.0350, -34.6120, -22.5160

Conversions

Conversions Part 2

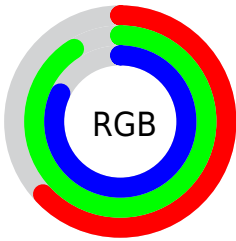
Format	Color
RYB	161, 204, 232
Decimal	10610896
CIELab	86.92, -27.12, 4.62
CIELCh	87, 27.510, 170.329
Yxy	69.8444, 0.2817, 0.3581
Android (android.graphics.Color)	4288800976 (0xFFA1E8D0)
YUV	208.0350, -0.0173, -41.2497
Hunter-Lab	83.5730, -28.9093, 8.6557

Details

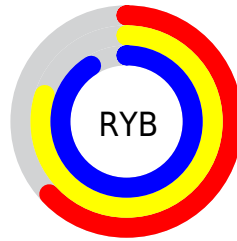
The XYZ color **54.9397, 69.8444, 70.2602** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **54.7829, 46.1500, 51.9222**, and the grayscale version is **59.9947, 63.1190, 68.7366**.

A 20% lighter version of the original color is **82.4253, 93.4917, 108.3092**, and **27.4215, 36.5096, 36.1736** is the 20% darker color. If you saturate the color by 10%, you get **49.7502, 67.2797, 65.1051**, and if you desaturate by 10%, it is **61.0482, 72.8810, 75.7105**.

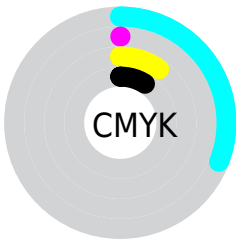
Distribution



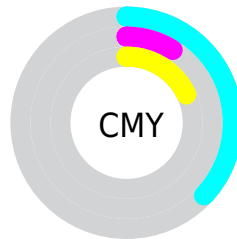
- Red (63%)
- Green (91%)
- Blue (82%)



- Red (63%)
- Yellow (80%)
- Blue (91%)



- Cyan (31%)
- Magenta (0%)
- Yellow (10%)
- Black (9%)





- Cyan (37%)
- Magenta (9%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 54.9397, 69.8444, 70.2602 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 54.9397, 69.8444, 70.2602 by changing the saturation by 10% instead.


 54.9397, 69.8444,
70.2602


 54.9397, 69.8444,
70.2602


395.8234,
460.0035, 480.2769

 39.5871, 51.3997,
51.2606


 96.6014, 118.9868,
121.2643

 27.3995, 36.5268,
36.0379

 123.6413,
150.4533, 154.1059

 18.0116, 24.8413,
24.1735


155.3076,
187.0293, 192.3986

 11.0581, 15.9589,
15.2490

191.9657,
229.0989, 236.5609

 6.1735, 9.4951,
8.8458

233.9810,
277.0468, 287.0113

 2.9925, 5.0655,
4.5453

281.7188,

 1.1498, 2.2857,

331.2573, 344.1684

1.9290

335.5445,
392.1147, 408.4508

0.0662, 0.7661,
0.5111

0.0000, 0.0000,
0.0000

54.9397, 69.8444,
70.2602

54.9397, 69.8444,
70.2602

49.7502, 67.2797,
65.1051

61.0482, 72.8810,
75.7105

45.4253, 65.1535,
60.2344

68.1150, 76.4042,
81.4567

41.9133, 63.4409,
55.6438

76.1840, 80.4384,
87.5059

39.1547, 62.1115,
51.3267

85.2946, 85.0038,
93.8632

■ 37.0815, 61.1303,
47.2760

■ 86.9199, 85.7046,
100.1329

■ 35.6124, 60.4553,
43.4841

■ 88.1479, 86.1958,
106.5993

■ 34.6552, 60.0347,
40.1475

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



57.3256, 69.8444, 55.6305



54.9397, 69.8444, 70.2602



55.4647, 69.8444, 89.0097

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



54.9397, 69.8444, 70.2602



70.7685, 69.8444, 114.2700



74.5852, 69.8444, 51.9438

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



54.9397, 69.8444, 70.2602



54.7829, 46.1500, 51.9222

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.6521, 69.8444, 64.4112



54.9397, 69.8444, 70.2602



76.3519, 69.8444, 100.9360

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



54.9397, 69.8444, 70.2602



64.3318, 69.8444, 116.5151



79.3188, 69.8444, 82.1467



68.4814, 69.8444, 46.2392

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



54.9397, 69.8444, 70.2602



57.4082, 69.8444, 101.3119



79.3188, 69.8444, 82.1467



76.2520, 69.8444, 55.3785

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



54.9417, 69.8473, 70.2618



85.8808, 95.4145, 102.0817



55.5051, 70.7098, 44.4421



18.0855, 20.2745, 21.6200



0.0000, 0.0000, 0.0000



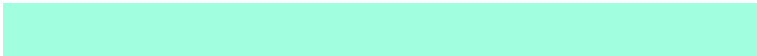
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



54.9417, 69.8473, 70.2618



63.7209, 84.3941, 82.8171



55.2146, 65.3039, 86.0422



14.5895, 16.2492, 17.3691



19.2994, 33.3519, 22.6089



1.4691, 2.4818, 1.8968

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



54.7829, 46.1500, 51.9222



63.4988, 50.4576, 56.5793



54.3999, 49.1028, 40.3298



14.5770, 14.4480, 15.9729



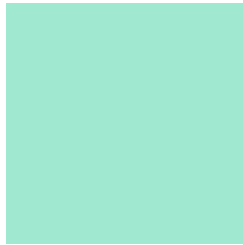
19.2998, 9.8541, 5.2075



1.4683, 0.7450, 0.6067

Previews

White Background



This preview shows how the XYZ color 54.9397, 69.8444, 70.2602 looks on a white background.

Color Contrast Check

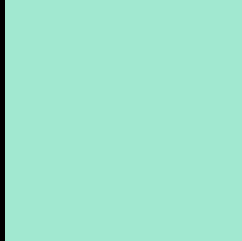
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 54.9397, 69.8444, 70.2602 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

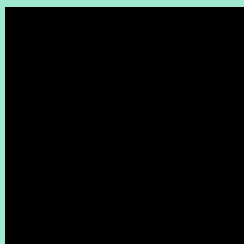
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

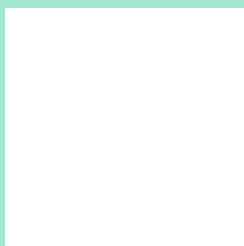
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 54.9397, 69.8444, 70.2602

Background



This preview shows how black text looks on a background with the XYZ color 54.9397, 69.8444, 70.2602.



This preview shows how white text looks on a background with the XYZ color 54.9397, 69.8444,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

54.9397, 69.8444, 70.2602

Protanopia

65.9160, 69.2428, 63.9239

Deuteranopia

70.6534, 69.2480, 72.5932



Tritanopia

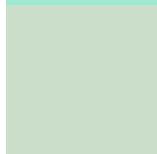
60.3127, 69.9658, 96.7121

Trichromacy



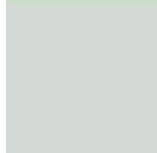
Original Color

54.9397, 69.8444, 70.2602



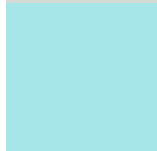
Protanomaly

61.1391, 69.0634, 65.9853



Deuteranomaly

63.6932, 68.6948, 71.5305



Tritanomaly

58.3107, 69.9718, 86.7765

Monochromacy



Original Color

54.9397, 69.8444, 70.2602



Achromatopsia

59.9535, 63.0757, 68.6895



Achromatomaly

57.6839, 65.2561, 69.2299

CSS Examples

Text

The CSS property to change the color of the text to XYZ 54.9397, 69.8444, 70.2602 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(161, 232, 208)` looks like.

```
.text, #text, p{  
    color:rgb(161, 232, 208)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(161, 232, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 232, 208) }
```

Border

The CSS property to change the border of an element to XYZ 54.9397, 69.8444, 70.2602 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(161, 232, 208) }
```


If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(161, 232, 208) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(161, 232, 208) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 232, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 232, 208);  
box-shadow:4px 4px 4px 4px rgb(161, 232,  
208) }
```

Background

The CSS property to change the background color of an element to XYZ 54.9397, 69.8444, 70.2602 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 232, 208) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(161,  
232, 208) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor